

Confocal Imaging Through Thick Dermal Tissue

Abstract

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Sub 42 *at* A handheld confocal imaging system for in vivo
observation of dermal and subdermal tissue allows diagnosis of
conditions substantially beneath the surface of the skin. A
confocal head has optics which scan the tissue so as to provide
images of vertical sections of the tissue. Both two and three
10 dimensional imaging may be provided for diagnosis and location of
basal cell carcinomas and melanomas, and so as to enable
visualization of tumor borders prior to excision.